

Title (en)

Rotary transducer with elastic hub for direct coupling to a rotary shaft.

Title (de)

Rotationsgeber mit elastischem Hub zur direkten Kopplung an eine drehende Welle.

Title (fr)

Transducteur à rotation à moyeu élastique pour couplage direct à un arbre tournant.

Publication

EP 0178694 A2 19860423 (EN)

Application

EP 85201255 A 19850730

Priority

IT 6798584 A 19841004

Abstract (en)

An incremental or absolute rotary transducer whose encoder disc is mounted on a relatively elastic hub having the function of a joint for direct coupling to the rotary shaft. The hub having the function of a joint is therefore capable of compensating the misalignments and axial excursions of the drive shaft and permits to minimize the dimensions of the transducer, among other items, due to the possibility of applying only one thrust bearing between the rotor and the body of the transducer.

IPC 1-7

G01D 5/26

IPC 8 full level

G01D 5/347 (2006.01)

CPC (source: EP)

G01D 5/24442 (2013.01); **G01D 5/3473** (2013.01); **G01D 5/34738** (2013.01); **G01D 2205/60** (2021.05)

Cited by

DE4111562A1; EP0985910A4; EP1540797A4; US4774463A; EP0999373A1; US5218199A; NL2023750B1; US6261182B1; WO2021045621A1; EP2653837A1

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EP 0178694 A2 19860423; **EP 0178694 A3 19880302**; **EP 0178694 B1 19910925**; DE 3584219 D1 19911031; IT 1182310 B 19871005; IT 8467985 A0 19841004; IT 8467985 A1 19860404

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